

# PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail**

**Mail Stop ISSUE FEE**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, Virginia 22313-1450**  
**(703) 746-4000**

or **Fax**

**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

42754 7590 12/14/2004

**NIELDS & LEMACK**  
**176 EAST MAIN STREET, SUITE 7**  
**WESTBORO, MA 01581**

01/14/2005 GWORDF2 00000011 09804217

01 FC:1501 1400.00 DP  
 02 FC:1504 300.00 DP  
 03 FC:8001 30.00 DP

## Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

Kevin S. Lemack	(Depositor's name)
	(Signature)
January 11, 2005	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/804,217	03/12/2001	Katsuya Sangu	424P045	8913

**TITLE OF INVENTION:** POSITIONING APPARATUS USED IN A PROCESS FOR PRODUCING MULTI-LAYERED PRINTED CIRCUIT BOARD AND METHOD OF USING THE SAME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	03/14/2005

EXAMINER	ART UNIT	CLASS-SUBCLASS
STREGE, JOHN B	2625	382-151000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Nields & Lemack

2 \_\_\_\_\_

3 \_\_\_\_\_

## 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Adtec Engineering Co., Ltd.

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Tokyo, Japan

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee  
☒ Publication Fee (No small entity discount permitted)  
☒ Advance Order - # of Copies 10

4b. Payment of Fee(s):

- ☒ A check in the amount of the fee(s) is enclosed.  
☐ Payment by credit card. Form PTO-2038 is attached.  
☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 14-0930 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

Date January 11, 2005

Typed or printed name Kevin S. Lemack

Registration No. 32,579

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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**BOX ISSUE FEE**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

**Katsuya Sangu et al.**

Serial No.: 09/804,217

Allowance Date: 12/14/04

Confirmation No: **8913**

Group Art Unit: 2625

Examiner: **Strege, John B.**

**Filed: March 12, 2001**

Case No: **424P045**

Customer No: **42754**

For: **POSITIONING APPARATUS USED IN A PROCESS FOR PRODUCING MULTI-LAYERED PRINTED CIRCUIT BOARD AND METHOD OF USING THE SAME**

**Mail Stop: Issue Fee  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

Sir:

## LETTER OF TRANSMITTAL

Please accept the attached Issue Fee Transmittal sheet PTOL-85B and a check in the amount of **\$1,730.00** in payment of the **issue fee, publication fee** and the **advanced order fee** for the above application.


Authorization is given to charge any deficiencies or credit any overpayment to Deposit  
Account No. **14-0930**.

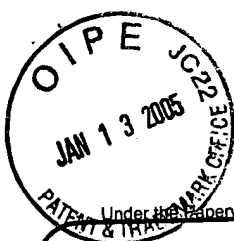
Please notify Applicant's attorney if any problems should arise.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on January 11, 2005.

Signature: Kevin S. Lemack  
Date: January 11, 2005

Respectfully submitted,

  
Kevin S. Lemack  
Attorney for Applicants  
Registration No. 32,579  
Niels & Lemack  
176 E. Main Street  
Westboro, MA 01581  
TEL: (508) 898-1818



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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

5

Application Number 09/804,217

Filing Date March 12, 2001

First Named Inventor Katsuya Sangu

Art Unit 2625

Examiner Name Strege, John B.

Attorney Docket Number 424P045

### ENCLOSURES (Check all that apply)

- |   |   |   |
|---|---|---|
| <p><input checked="" type="checkbox"/> Fee Transmittal Form</p> <p><input checked="" type="checkbox"/> Fee Attached</p> <p><input type="checkbox"/> Amendment/Reply</p> <p><input type="checkbox"/> After Final</p> <p><input type="checkbox"/> Affidavits/declaration(s)</p> <p><input type="checkbox"/> Extension of Time Request</p> <p><input type="checkbox"/> Express Abandonment Request</p> <p><input type="checkbox"/> Information Disclosure Statement</p> <p><input type="checkbox"/> Certified Copy of Priority Document(s)</p> <p><input type="checkbox"/> Reply to Missing Parts/<br/>Incomplete Application</p> <p><input type="checkbox"/> Reply to Missing Parts<br/>under 37 CFR 1.52 or 1.53</p> | <p><input type="checkbox"/> Drawing(s)</p> <p><input type="checkbox"/> Licensing-related Papers</p> <p><input type="checkbox"/> Petition</p> <p><input type="checkbox"/> Petition to Convert to a<br/>Provisional Application</p> <p><input type="checkbox"/> Power of Attorney, Revocation<br/>Change of Correspondence Address</p> <p><input type="checkbox"/> Terminal Disclaimer</p> <p><input type="checkbox"/> Request for Refund</p> <p><input type="checkbox"/> CD, Number of CD(s) _____</p> <p><input type="checkbox"/> Landscape Table on CD</p> | <p><input type="checkbox"/> After Allowance Communication to TC</p> <p><input type="checkbox"/> Appeal Communication to Board<br/>of Appeals and Interferences</p> <p><input type="checkbox"/> Appeal Communication to TC<br/>(Appeal Notice, Brief, Reply Brief)</p> <p><input type="checkbox"/> Proprietary Information</p> <p><input type="checkbox"/> Status Letter</p> <p><input checked="" type="checkbox"/> Other Enclosure(s) (please identify<br/>below):</p> <p>-Issue Fee Transmittal Form</p> <p>-Part B - Fee Transmittal Form</p> |
|---|---|---|

Remarks

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name Nields & Lemack

Signature

Printed name Kevin S. Lemack

Date January 11, 2005

Reg. No. 32,579

### CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

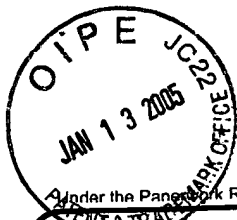
Signature

Typed or printed name Kevin S. Lemack

Date January 11, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (12-04)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.Effective on 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).**FEE TRANSMITTAL**  
**For FY 2005**☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$ ) 1,730.00**Complete if Known**

Application Number	09/804,217
Filing Date	March 12, 2001
First Named Inventor	Katsuya Sangu
Examiner Name	Strege, John B.
Art Unit	2625
Attorney Docket No.	424P045

**METHOD OF PAYMENT** (check all that apply)☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_☒ Deposit Account Deposit Account Number: 14-0930 Deposit Account Name: Nields & Lemack

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17☒ Credit any overpayments**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES****Fee Description**

	Small Entity Fee (\$)	Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
- 20 or HP =	x	=				
HP = highest number of total claims paid for, if greater than 20						
Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)			
- 3 or HP =	x	=				
HP = highest number of independent claims paid for, if greater than 3						

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x	=	

**Fees Paid (\$)****4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other: Issue Fee, Publication Fee &amp; Advanced order Fee - 10

**\$1,730.00****SUBMITTED BY**

Signature

Registration No.  
(Attorney/Agent)

32,579

Telephone 508-898-1818

Name (Print/Type)

Kevin S. Lemack

Date Jan. 11, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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